

# Erik Bülow

Statistician · PhD · AEUStat

Gothenburg, Sweden (male born 1985, father of 2)

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## Career overview

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### Statistician

University of Gothenburg, Sahlgrenska Academy, Inst. of medicine, school of public health and community medicine

Gothenburg

September 2023 -

### Senior Statistician

Registercentrum Västra Götaland, Västra Götalandsregionen

Gothenburg

2021-2023

### Statistician and register developer

Regionalt cancercentrum väst, Västra Götalandsregionen

Gothenburg

2010-2021

### Biostatistician

AstraZeneca

Möln dal

2008

### Graphical Designer

Self employed

Karlskrona

2005-2010

### Additional work experience

Distribution and logistics (Svensk Direktreklam, Blekinge Marknadspartner, RC Reklam, Pressens Samdistribution, Tidningsbärarna, Punkt.se, Schenker), cleaning (ISS, Sodexho, Mellansvenska Städ), exhibition managning (Sodexho, Swedish association of scientists), printing (Tefco, Uniflex), electronic industry (Flextronics International Sweden AB), supermarket (Ica Maxi), relocation (Karlskrona kommun), telemarketnig (consultant based)

Karlskrona,  
Gothenburg

1998-2010

## Educational degrees

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### Doctor of Philosophy (PhD), Applied Medicine

University of Gothenburg

Gothenburg

2016-2020

### Master of Science (MSc), Mathematical Statistics

University of Gothenburg

Gothenburg

2008-2010

### Bachelor of Science (BSc), Mathematical Statistics

University of Gothenburg

Gothenburg

2004-2008

## Supplementary academic courses

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### Lund university

Administrative law

distance based

2022

### Blekinge Institute of Technology

English, Artificial intelignese

Karlshamn

2006

### University of Gothenburg

Teaching and Learning in Higher Education and Supervision in Postgraduate Programmes (PIL101, PIL102, PIL103, PIL201), Swedish (30 ECTS), Presentation Technics at the School of Journalism and Mass Communicatin (15 ECTS), History of Ideas (15 ECTS), History of Physics (15 ECTS), Astronomy for teachers (15 ECTS).

Gothenburg

2004-2024

## Short courses

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### Summer School of Bone Joint & Tendon Care

University of Groningen

*Groningen, The Netherlands*

*Summer 2017*

### Programming in R Advanced

The institute of Statistics Education

*online*

*Summer 2012*

### Nordic-Baltic-Ukrainian Summer School on Survey Statistics

*Kyev, Ukraine*

*Summer 2009*

### Epi-Server Administration

Epi-Server

*Stockholm*

*May 2011*

### Cancer Epidemiology

London School of Hygiene and Tropical Medicine

*London, England*

*June 2011*

### Cancer Epidemiology

Center for Kræft & Sundhed København

*København, Denmark*

*40756*

### Quality and Risk Management in Healthcare

Università degli Studi di Palermo

*Palermo, Italy*

*40483*

### Statistical survival analysis

University of Gothenburg

*Gothenburg*

*2014*

### Black belt Six Sigma

Chalmers University of Technology

*Gothenburg*

*2011*

### Nordiska Teknikerinstitutet

Graphical design

*distance based*

*2005-2006*

## Research areas

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### Covid-19

Fredrik Nyström Group, Swedish Covid-19 Investigation for Future Insights – a Population Epidemiology Approach using Register Linkage (SCIFI-PEARL)

*GU*

*2023 -*

### Post-covid

Maria Bygdell Group

*GU*

*2023 -*

### Endocrinology

Helena Filipsson Nyström Group

*GU*

*2023 -*

### Orthopaedics

PhD student and research collaborator in register research of hip and knee prosthesis (SHPR/SAR)

*VGR*

*2015 - 2024*

### Cancer

Assisting research in gynecological cancer, lung cancer and skin melanoma

*VGR*

*2010 - 2015*

## Teaching experience

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### Forskningsmetodik för hälso- och sjukvårdsanställda i Göteborg

MF340: Computer labs (commissioned)

*GU*

*2024*

### Vetenskapsmetodik

TP6VEM: Lectures (graduate level)

*GU*

*2024*

<b>Methodology in clinical drug development and biostatistics</b>	<i>GU</i>
MKB800: Course responsible teacher since HT 2004 (graduate level)	2023 -
<b>Examensarbete för läkare</b>	<i>GU</i>
LÄA110: Lectures, seminars, workshops and computer labs (graduate level)	2023 -
<b>Introduktion till forskningsteori och kvantitativ och kvalitativ design</b>	<i>GU</i>
SFUOBL4: Computer labs and seminars (research level)	2023 -
<b>Medical statistics 1</b>	<i>GU</i>
SM00046: Teacher assistant (research level)	2021
	<i>GU</i>

## Committees and projects

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<b>Pre-viva seminar committee</b>	<i>GU</i>
Susanna Lohman Haga (Exposure to air pollution and birch pollen: pulmonary effects in allergic asthma)	2024
<b>EPI on INCA</b>	<i>Sweden</i>
Coordinator for a group focused on enhancing software for epidemiological studies related to cancer in Sweden	2020 - 2022
<b>Data Governance Board</b>	<i>VGR</i>
Presenter on the Data Referral and Acquisition Board, where we primarily focused on the scientific and legal aspects of data release from registries.	2018 - 2023
<b>Even better radiation treatment</b>	<i>VGR</i>
statistician for study aimed at enhancing and improving cancer radiotherapy in the region	2017
<b>Enhanced Reporting Initiative</b>	<i>Sweden</i>
Coordinator for national project including all Swedish regional cancer centers financed by The Swedish Association of Local Authorities and Regions (SKR)	2011 - 2012
<b>Responsible statistician</b>	<i>Sweden</i>
National responsibilities for gynecological cancer quality registers	2010 - 2013

## Volunteer

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<b>Member of the board</b>	<i>Sweden</i>
Föreningen för medicinsk statistik (FMS)	2024 -
<b>Member of the board</b>	<i>Gothenburg</i>
Tångedals Samfällighetsförening	2018 - 2024
<b>Conference volunteer</b>	<i>Gothenburg</i>
Institute of Mathematical Statistics 73rd Annual Meeting	2010, August
<b>Board member, accountant and member of referral board</b>	<i>Sweden</i>
Student board of The Swedish Association of Academics (Sveriges akademikers centralorganisation, Saco)	2010 - 2013
<b>Member of the board, election committee, congress member</b>	<i>Sweden</i>
The Swedish Association of Scientists (Naturvetarna)	2009 - 2016
<b>Vice chairman</b>	<i>Gothenburg</i>
Svenska Franciskushjälpen	2009 - 2011
<b>Student Ambassador</b>	<i>Karlskrona</i>

**Staff newspaper editor***Sweden*

The Salvation Army Trading Company (Myrorna)

2007 - 2009

**Scout***Blekinge*

Sporadic participation as scout leader and official at camps and hikes

2006 -

**Supervision****Co-supervisor PhD. Student***GU*

Johan Simonsson (opioid use in connection with hip replacement surgery)

2022 -

**Trainee supervisor***VGR*

Viktoria Karlsson (teoretical, practical and legal aspects of synthetic data in quality registers)

2022

**Grants****ALF-medel Västra Götalandsregionen***1 000 000 SEK*

Ola Rolfson, Karin Svensson, Erik Bülow; Artros och ledproteskirurgi i Sverige - diagnostik, behandling, riskfaktorer, komplikationer och patient-rapporterat utfall (ALFGBG-projektmedel) (965217)

2024

**Region Östergötland (Forsknings-ALF)***300 000 SEK*

Karin Åkesson, John Samuelsson, Annelie Carlsson, Martina Persson, Rebecka Bertilsson, Erik Bülow et al; Studie av socioekonomiska, genetiska och immunologiska faktorer samt samsjuklighet hos barn med typ 1-diabetes för en mer individanpassad vård (986456)

2023

**Regionala FoU-medel Västra Götalandsregionen***204 000 SEK*

Johan Simonsson, Joakim Strömberg, Ola Rolfson, Erik Bülow, Ola Rolfson; Patientskattad smärta och opioidanvändning efter höftprotesoperation; Projektmedel - Regionala samarbetsprojekt Ny ansökan) (995562)

2023

**Awards****Jacques Duparc Award***Vienna, Austria*

The European Federation of National Associations of Orthopaedics and Traumatology

2017

**Best student thesis in the field of survey statistics***Linköping, Sweden*

Surveyföreningen

2008

**Invited talks****Statistics in the public service***Chalmers/GU*

Labor market day for mathematics students (my-dagen)

2022-10-31

**Gravel in the machinery***online, Sweden*

Seminar series on registry research

2022-10-25

**Predictive modelling: an introduction***online, international*

Mini symposium at the 10th Annual International Congress of Arthroplasty Registries (2nd Annual Virtual Congress)

2021-11-11

**Statistics in the public service***Chalmers/GU*

Labor market day for mathematics students (my-dagen)

2021-11-01

**Vad är en kliniskt viktig skillnad i registerbaserad forskning?***online, Sweden*

Seminar series on registry research	2021-02-25
<b>Traditional statistics, prediction modeling and causal inference</b>	VGR
Register research day for Swedish orthopedic registers	2021-01-21
<b>Gravel in the machinery</b>	Gothenburg
Register research intern for musculoskeletal diseases	2021-01-19

## Conference talks

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<b>Prediction of early periprosthetic joint infection after total hip arthroplasty</b>	Dublin, Ireland
11th Annual International Congress of Arthroplasty Registries	2022-09-04
<b>Restricted mean survival time decrease with increased comorbidity for patients with total hip arthroplasty: An observational register study of 150,367 patients from the Swedish Hip Arthroplasty Register 1999-2015</b>	online, international
9th Annual International Congress of Arthroplasty Registries (1st Annual Virtual Congress)	2020-11-13
<b>Restricted mean survival time decrease with increased comorbidity for patients with total hip arthroplasty: An observational register study of 150,367 patients from the Swedish Hip Arthroplasty Register 1999-2015</b>	online, international
9th Annual International Congress of Arthroplasty Registries (1st Annual Virtual Congress)	2020-11-13
<b>Prediction modelling after hip replacement</b>	regionalt
Västleden (annual meeting with orthopedists in VGR and Halland)	2020-10-22
<b>Predicting mortality by comorbidity for patients with hip arthroplasty: Prospective observational register studies of a nationwide Swedish cohort</b>	online, Sweden
Workshop on Modelling in Biology and Medicine	2020-10-15
<b>comorbidity and prediction in R</b>	Birmingham, England
The NHS-R Conference 2019	2019-11-16
<b>coder: An R-package for fast classification of item data into groups</b>	den Haag, the Netherlands
The Use of R in Official Statistics - uRos2018	2018-09-18
<b>Low predictive power of comorbidity on mortality after acute arthroplasty surgery following hip fracture</b>	San Francisco, USA
6th International Congress of Arthroplasty Registries	2017-05-20
<b>Decreasing predictive power of co-morbidity on mortality after total hip arthroplasty over time</b>	San Francisco, USA
6th International Congress of Arthroplasty Registries	2017-05-20
<b>[Poster] Mortality prediction after THA</b>	San Diego, USA
AAOS 2017 Annual Meeting	2017-03-16

## Grant reviewer

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<b>Dutch Arthroplasty Register (LROI)</b>	The Netherlands
Review of applicants for funding	Summer 2022

## Additional qualifications

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### Statistical consultant

Academy statistics – advice in statistics and health economics

online, Gothenburg

2023 -

### Accredited European Statisticians (AESTat)

The Federation of European National Statistical Societies

Europe

2022 -

### Languages

Swedish (native), English (fluent), German (very basic), Rorövovarorsosopporåråketot (fluent)

### Programming Languages

R

### Drivers license

B

## Peer-reviewed journal articles

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Source: Google Scholar and Web of Science (citation count from Google Scholar):

- J Samuelsson, R Bertilsson, E **Bülow**, S Carlsson, S Åkesson, B Eliasson, ... (2024) Autoimmune comorbidity in type 1 diabetes and its association with metabolic control and mortality risk in young people: a population-based study *Diabetologia* 67 (4), 679-689 DOI: 10.1007/S00125-024-06086-8 (# citations 2024-11-05: **5**)
- TH Leta, SA Lie, AM Fenstad, SHL Lygre, M Lindberg-Larsen, ... (2024) Periprosthetic joint infection after total knee arthroplasty with or without antibiotic bone cement *JAMA network open* 7 (5), e2412898-e2412898 DOI: 10.2147/ncp.s347968 (# citations 2024-11-05: **3**)
- D Nathanson, K Eeg-Olofsson, T Spelman, E **Bülow**, M Kyhlstedt, ... (2024) Intermittently scanned continuous glucose monitoring compared with blood glucose monitoring is associated with lower hba1c and a reduced risk of hospitalisation for diabetes ... *Diabetologia* 1-11 DOI: 10.1007/s00125-024-06289-z
- K Eeg-Olofsson, D Nathanson, T Spelman, M Kyhlstedt, E **Bülow**, ... (2024) Initiation of intermittently scanned continuous glucose monitoring is associated with reduced hospitalization for acute diabetes events and cardiovascular complications in ... *Diabetes Care, dc* c240690 DOI: 10.1007/s00125-024-06289-z
- HL Tesfaye, AM Fenstad, SHL Lygre, SA Lie, M Lindberg-Larsen, ... (2023) The use of antibiotic-loaded bone cement and systemic antibiotic prophylactic use in 2,971,357 primary total knee arthroplasties from 2010 to 2020: an international register-based observational study among countries in africa, europe, north america, and oceania *Acta Orthopaedica* 94, 416 DOI: 10.2340/17453674.2023.17737 (# citations 2024-11-05: **9**)
- E **Bülow**, U Hahn, IT Andersen, O Rolfson, AB Pedersen, NP Hailer (2022) Prediction of early periprosthetic joint infection after total hip arthroplasty *Clinical Epidemiology* 239-253 DOI: 10.2147/CLEP.S347968 (# citations 2024-11-05: **14**)
- J Simonsson, E **Bülow**, KS Malchau, F Nyberg, B Urban, O Rolfson (2022) Worse patient-reported outcomes and higher risk of reoperation and adverse events after total hip replacement in patients with opioid use in the year before surgery: a swedish register-based study on 80,483 patients *Acta Orthopaedica* 93, 190 DOI: 10.2340/17453674.2021.1021 (# citations 2024-11-05: **6**)
- T Eneqvist, E **Bülow**, S Nemes, H Brisby, P Fritzell, O Rolfson (2021) Does the order of total hip replacement and lumbar spinal stenosis surgery influence patient-reported outcomes: an observational

register study *Journal of Orthopaedic Research* 39 (5), 998-1006 DOI: 10.1002/JOR.24813 (# citations 2024-11-05: **16**)

- A Garland, E **Bülow**, E Lenguerrand, A Blom, M Wilkinson, A Sayers, ... (2021) Prediction of 90-day mortality after total hip arthroplasty a simplified and externally validated model based on observational registry data from sweden, england, and wales *The Bone & Joint Journal* 103 (3), 469-478 DOI: 10.1302/0301-620X.103B3.BJJ-2020-1249.R1 (# citations 2024-11-05: **13**)
- S Hansson, E **Bülow**, A Garland, J Kärrholm, C Rogmark (2020) More hip complications after total hip arthroplasty than after hemi-arthroplasty as hip fracture treatment: analysis of 5,815 matched pairs in the swedish hip arthroplasty register *Acta Orthopaedica* 91 (2), 133-138 DOI: 10.1080/17453674.2019.1690339 (# citations 2024-11-05: **53**)
- S Nemes, E **Bülow**, A Gustavsson (2020) A brief overview of restricted mean survival time estimators and associated variances *Stats* 3 (2), 107-119 DOI: 10.3390/STATS3020010 (# citations 2024-11-05: **18**)
- E **Bülow**, S Nemes, O Rolfson (2020) Are the first or the second hips of staged bilateral thas more similar to unilateral procedures? A study from the swedish hip arthroplasty register *Clinical Orthopaedics and Related Research* 478 (6), 1262-1270 DOI: 10.1097/CORR.0000000000001210 (# citations 2024-11-05: **12**)
- E **Bülow** (2020) Coder: an r package for code-based item classification and categorization *The Journal of Open Source Software* 5 (56), 2916 DOI: 10.21105/JOSS.02916 (# citations 2024-11-05: **4**)
- P Jolbäck, E Naucclér, E **Bülow**, H Lindahl, Maziar, Mohaddes (2020) A small number of surgeons outside the control-limit: an observational study based on 9,482 cases and 208 surgeons performing primary total hip arthroplasties in western sweden *Acta Orthopaedica* 91 (5), 581-586 DOI: 10.1080/17453674.2020.1772584 (# citations 2024-11-05: **1**)
- E **Bülow**, P Cnudde, C Rogmark, O Rolfson, S Nemes (2019) Low predictive power of comorbidity indices identified for mortality after acute arthroplasty surgery undertaken for femoral neck fracture *The Bone & Joint Journal* 101 (1), 104-112 DOI: 10.1302/0301-620X.101B1.BJJ-2018-0894.R1 (# citations 2024-11-05: **33**)
- RJ Ferguson, AJ Silman, C Combescure, E **Bülow**, D Odin, D Hannouche, ... (2019) Asa class is associated with early revision and reoperation after total hip arthroplasty: an analysis of the geneva and swedish hip arthroplasty registries *Acta Orthopaedica* 90 (4), 324-330 DOI: 10.1080/17453674.2019.1605785 (# citations 2024-11-05: **32**)
- Z Jawad, S Nemes, E **Bülow**, C Rogmark, P Cnudde (2019) Multi-state analysis of hemi- and total hip arthroplasty for hip fractures in the swedish population-results from a swedish national database study of 38,912 patients *Injury* 50 (2), 272-277 DOI: 10.1016/J.INJURY.2018.12.022 (# citations 2024-11-05: **21**)
- P Cnudde, E **Bülow**, S Nemes, Y Tyson, M Mohaddes, O Rolfson (2019) Association between patient survival following reoperation after total hip replacement and the reason for reoperation: an analysis of 9,926 patients in the swedish hip arthroplasty register *Acta Orthopaedica* 90 (3), 226-230 DOI: 10.1080/17453674.2019.1597062 (# citations 2024-11-05: **18**)
- AL Wojtowicz, M Mohaddes, D Odin, E **Bülow**, S Nemes, P Cnudde (2019) Is parkinson's disease associated with increased mortality, poorer outcomes scores, and revision risk after tha? Findings from the swedish hip arthroplasty register *Clinical Orthopaedics and Related Research* 477 (6), 1347-1355 DOI: 10.1097/CORR.0000000000000679 (# citations 2024-11-05: **17**)
- U Berg, E **Bülow**, M Sundberg, O Rolfson (2018) No increase in readmissions or adverse events after implementation of fast-track program in total hip and knee replacement at 8 swedish hospitals: an observational before-and-after study of 14,148 total joint replacements 2011-2015 *Acta Orthopaedica* 89 (5), 522-527 DOI: 10.1080/17453674.2018.1492507 (# citations 2024-11-05: **68**)

- P Cnudde, S Nemes, E **Bülow**, J Timperley, H Malchau, J Kärrholm, ... (2018) Trends in hip replacements between 1999 and 2012 in sweden *Journal of Orthopaedic Research* 36 (1), 432-442 DOI: 10.1002/JOR.23711 (# citations 2024-11-05: **33**)
- T Eneqvist, S Nemes, E **Bülow**, M Mohaddes, O Rolfson (2018) Can patient-reported outcomes predict re-operations after total hip replacement? *International Orthopaedics* 42, 273-279 DOI: 10.1007/S00264-017-3711-Z (# citations 2024-11-05: **29**)
- T Eneqvist, E **Bülow**, S Nemes, H Brisby, G Garellick, P Fritzell, O Rolfson (2018) Patients with a previous total hip replacement experience less reduction of back pain following lumbar back surgery *Journal of Orthopaedic Research* 36 (9), 2484-2490 DOI: 10.1002/JOR.24018 (# citations 2024-11-05: **24**)
- PHJ Cnudde, S Nemes, E **Bülow**, AJ Timperley, SL Whitehouse, ... (2018) Risk of further surgery on the same or opposite side and mortality after primary total hip arthroplasty: a multi-state analysis of 133,654 patients from the swedish hip arthroplasty register *Acta Orthopaedica* 89 (4), 386-393 DOI: 10.1080/17453674.2018.1475179 (# citations 2024-11-05: **20**)
- S Nemes, D Lind, P Cnudde, E **Bülow**, O Rolfson, C Rogmark (2018) Relative survival following hemi- and total hip arthroplasty for hip fractures in sweden *BMC Musculoskeletal Disorders* 19, 1-9 DOI: 10.1186/S12891-018-2321-2 (# citations 2024-11-05: **16**)
- E **Bülow**, O Rolfson, P Cnudde, C Rogmark, G Garellick, S Nemes (2017) Comorbidity does not predict long-term mortality after total hip arthroplasty *Acta Orthopaedica* 88 (5), 472-477 DOI: 10.1080/17453674.2017.1341243 (# citations 2024-11-05: **33**)
- P Cnudde, S Nemes, E **Bülow**, AJ Timperley, J Kärrholm, H Malchau, ... (2017) Trends in the patient demographics, socio-economic characteristics, surgical factors and outcomes between 1999 and 2012 *Orthopaedic Proceedings* 99 (SUPP\_12), 48-48
- S Nemes, ME Greene, E **Bülow**, O Rolfson (2015) Summary statistics for patient-reported outcome measures: the improvement ratio *European Journal for Person Centered Healthcare* 3 (3), 334-342 DOI: 10.5750/EJPCH.V3I3.1000 (# citations 2024-11-05: **5**)
- S Nemes, A Danielsson, TZ Parris, JM Jonasson, E **Bülow**, P Karlsson, ... (2013) A diagnostic algorithm to identify paired tumors with clonal origin *Genes, Chromosomes and Cancer* 52 (11), 1007-1016 DOI: 10.1002/GCC.22096 (# citations 2024-11-05: **12**)
- E **Bülow** (2009) Use and theory of random digit dialing in sweden *Baltic-Nordic-Ukrainian Summer School on Survey Statistics* 45
- (3) The swedish quality registry for gynecologic oncology *International Journal of Gynecological Cancer* NA

## Additional publications

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- W-Dahl, Annette; Kärrholm, Johan; Rogmark, Cecilia ; Nåtman, Jonatan; **Bülow**, Erik; Ighani Arani , Perna; Mohaddes, Maziar; Rolfson, Ola (2024) Annual report 2023: The Swedish Arthroplasty Register
- W-Dahl, Annette; Kärrholm, Johan; Rogmark, Cecilia ; Nåtman, Jonatan; **Bülow**, Erik; Ighani Arani, Perna; Modaddes, Maziar; Rolfson, Ola (2023) Årsrapport 2023: Svenska ledprotesregistret DOI: 10.18158/r1HHfziah
- **Bülow**, Erik (2023) Syntetiska data: Utopi eller möjlighet? *Svepet* 41:2-3, s. 8-9
- **Bülow**, Erik (2023) Registerbaserad forskning: Djävulen finns i detaljerna *Medlemstidning för Svensk Epidemiologisk Förening (SVEP)* 41:1, s. 10
- W-Dahl, Annette; Kärrholm, Johan; Rogmark, Cecilia ; Mohaddes, Maziar; Carling, Malin; Sundberg, Martin; **Bülow**, Erik; Nåtman, Jonatan; Carlsen, Hanne Krage; Isaksson, Rikard; Rolfson, Ola (2022) Annual report 2022: The Swedish Arthroplasty Register DOI: 10.18158/ryr8eIN\_i



- W-Dahl, Annette; Kärrholm, Johan; Rogmark, Cecilia ; Mohaddes, Maziar; Carling, Malin; Sundberg, Martin; **Bülow**, Erik; Nåtman, Jonatan; Carlsen, Hanne Krage; Isaksson, Rikard; Rolfson, Ola (2022) Årsrapport 2022: Svenska Ledprotesregistret DOI: 10.18158/ryuvolq1i. Svenska
- **Bülow**, Erik; Hailer, Nils P. (2022) Enkel riskkalkylator syftar till att förutsäga protesinfektion *Läkartidningen*
- **Bülow**, Erik (2022) Tankar om statistik och juridik *Qvintense* 2022:2
- W-Dahl, Annette; Kärrholm, Johan; Rogmark, Cecilia ; Naucclér, Emma; Nåtman, Jonatan; **Bülow**, Erik; Mohaddes, Maziar; Sundberg, Martin; Rolfson, Ola (2021) Annual report 2021: The Swedish Arthroplasty Register
- W-Dahl, Anette; Kärrholm, Johan; Rogmark, Cecilia ; Naucclér, Emma; Nåtman, Jonatan; **Bülow**, Erik; Mohaddes, Maziar; Sundberg, Martin; Rolfson, Ola (2021) Årsrapport 2021 Svenska Ledprotesregistret
- **Bülow**, Erik (2020) Predicting mortality by comorbidity for patients with hip arthroplasty: Prospective observational register studies of a nationwide Swedish cohort
- **Bülow**, Erik (2020) Enkel modell predicerar död efter elektiv höftprotesoperation *Läkartidningen* 40
- **Bülow**, Erik (2017) Underlagsrapport för 'En ännu bättre strålbehandling' avseende incidens och prevalens av cancer i Västra Sjukvårdsregionen 2016-2030
- **Bülow**, Erik; Pettersson, Magnus (2014) Internationell ackreditering för statistiker *Svepet (Medlemstidning för Svensk Epidemiologisk Förening)* 42:1-2, s. 18
- **Bülow**, Erik (2004) Sunnadalskolan : hela världens skola

## R-packages on CRAN

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- Måns Magnusson & Erik **Bülow** (2024) `sweidnumbr`: Structural handling of identity numbers used in the Swedish administration such as personal identity numbers ('personnummer') and organizational identity numbers ('organisationsnummer').
- Erik **Bülow** (2023) `coder`: Fast categorization of items based on external code data identified by regular expressions. A typical use case considers patient with medically coded data, such as codes from the International Classification of Diseases ('ICD') or the Anatomic Therapeutic Chemical ('ATC') classification system. Functions of the package relies on a triad of objects: (1) case data with unitid:s and possible dates of interest; (2) external code data for corresponding units in (1) and with optional dates of interest and; (3) a classification scheme ('classcodes' object) with regular expressions to identify and categorize relevant codes from (2). It is easy to introduce new classification schemes ('classcodes' objects) or to use default schemes included in the package. Use cases includes patient categorization based on 'comorbidity indices' such as 'Charlson', 'Elixhauser', 'RxRisk V', or the 'comorbidity-polypharmacy' score (CPS), as well as adverse events after hip and knee replacement surgery.
- Erik **Bülow** (2020) `decoder`: Main function "decode" is used to decode coded key values to plaintext. Function "code" can be used to code plain text to code if there is a 1:1 relation between the two. The concept relies on 'keyvalue' objects used for translation. There are several 'keyvalue' objects included in the areas of geographical regional codes, administrative health care unit codes, diagnosis codes and more. It is also easy to extend the use by arbitrary code sets.
- Erik **Bülow** (2016) `commentr`: Functions to produce nicely formatted comments to use in R-scripts (or LaTeX/HTML/markdown etc). A comment with formatting is printed to the console and can then be copied to a script.

## Manuscript Reviewer

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*Source: Web of Science Research Profile. Journal (N = number of refereed publications):*

BMC Musculoskeletal Disorders (16), Arthroplasty (14), Scientific Reports (13), Acta Orthopaedica (8), Advances in Therapy (7), BMC Anesthesiology (6), Journal of Orthopaedic Surgery and Research (5), Clinical Interventions in Aging (4), Clinical Epidemiology (3), BMC Surgery (3), Therapeutics and Clinical Risk Management (2), International Journal of General Medicine (2), ANZ Journal of Surgery (2), EFORT Open Reviews (2), Journal of Clinical Medicine (2), Health and Quality of Life Outcomes (2), Advances in Orthopedics (2), BMC Medical Informatics and Decision Making (1), Arthritis Research & Therapy (1), Risk Management and Healthcare Policy (1), Pain Research and Management (1), BMC Sports Science, Medicine and Rehabilitation (1)